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INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: 275.0010010	Serial No.: 10/780,797
	Applicant(s): MUNN et al.	Confirmation No.: 1508
	Application Filing Date: 02/17/04	Group: 1614
	Information Disclosure Statement mailed: March 20, 2007	

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	NONE					

FOREIGN PATENT DOCUMENTS

Examiner Initial	Copy Enclosed	Document Number	Date	Country	Class	Subclass	Translation	
		NONE					Yes	No

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

Examiner Initial	Copy Enclosed	Document Description
/JDA/	X	HOU, et al., "Inhibition of indoleamine 2,3-dioxygenase in dendritic cells by stereoisomers of 1-methyl-tryptophan correlates with antitumor responses," Cancer Res. 2007, Jan 15;67(2):792-801.

EXAMINER /James Anderson/	Date Considered 12/06/2007
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INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: 275.00100101	Serial No.: 10/780,797
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	Information Disclosure Statement mailed: September 28, 2007	

**U.S. PATENT DOCUMENTS**

Examiner Initial	Copy Enclosed	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
/JDA/		4,244,946	01/13/81	Rivier et al.			
		4,305,872	12/15/81	Johnston et al.			
		4,316,891	02/23/82	Guillemin et al.			
		4,629,784	12/16/86	Stammer			
		4,792,525	12/20/88	Ruoslahti et al.			
		4,868,116	09/19/89	Morgan et al.			
		4,980,286	12/25/90	Morgan et al.			
		5,244,807	09/14/93	Murtfeldt et al.			
		5,723,325	03/03/98	Murtfeldt et al.			
		5,874,560	02/23/99	Kawakami et al.			
		7,160,539 A1	01/09/07	Munn et al.			
		2007/0077234 A1	04/05/07	Munn et al.			
		2007/0099844 A1	05/03/07	Prendergast et al.			
↓		2007/0105907 A1	05/10/07	Prendergast et al.			
/JDA/		2007/0173524 A1	07/26/07	Prendergast et			

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							Yes	No
/JDA/	✓	0 385 385 A2	09/05/90	EP				
/JDA/	✓	WO 93/01286	01/21/93	PCT				

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/JDA/	✓	Agrawal et al., "Oligodeoxynucleoside phosphoramidates and phosphorothioates as inhibitors of human immunodeficiency virus", <i>Proc. Natl. Acad. Sci. USA</i> , 85:7079-7083 (1988).
	✓	Albina et al., "Nitric Oxide Production is Required for Murine Resident Peritoneal Macrophages to Suppress Mitogen-Stimulated T Cell Proliferation", <i>J. Immunol.</i> , 147(1):144-148 (1991).
	✓	"A Regulatory Trio," <i>Molecular Biology</i> , 317:873, 17 August 2007.
	✓	Askew et al., "Molecular Recognition with Convergent Functional Groups. 6. Synthetic and Structural Studies with a Model Receptor for Nucleic Acid Components", <i>J. Am. Chem. Soc.</i> , 111:1082-1090 (1989).
	✓	Attwood et al., "The Role of Tryptophan Depletion in T Cell Suppression by Macrophages", <i>Immunology</i> , 92(1):7, Abstract only (1997).
	✓	Bartlett et al. "Introduction of Immunomodulatory genes into isolated pancreatic islets via biolistic particle bombardment." <i>Transplant Proc.</i> Mar:30(2):452.(1998)
	✓	Baynes et al., "Lactoferrin and the Inflammatory Response", <i>Adv. Exp. Med. Biol.</i> , 357:133-141 (1994).
	✓	Begg et al., "Delayed Hematopoietic Development in Osteopetrotic (<i>op/op</i>) Mice", <i>J. Exp. Med.</i> , 177:237-242 (1993).
	✓	Belongia et al., "An Investigation of the Cause of the Eosinophilia-Myalgia Syndrome Associated with Tryptophan Use", <i>The New England Journal of Medicine</i> , 323(6):357-365 (1990).
↓	✓	Berney et al., "Transplantation of islets of Langerhans: new developments." <i>Swiss Med Wkly.</i> 132:671-680. 2002.
/JDA/	✓	Beutelspacher et al., "Function of indoleamine 2,3-dioxygenase in corneal allograft rejection and prolongation of allograft survival by over-expression," <i>Eur. J. Immunol.</i> 36:690-700. 2006.

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/JDA/	✓	Bliznakov, "Serotonin and its precursors as modulators of the immunological responsiveness in mice", <i>Journal of Medicine</i> , 11:81-105 (1980).
	✓	Blume et al., "Triple Helix Formation by Purine-rich Oligonucleotides Targeted to the Human Dihydrofolate Reductase Promoter", <i>Nucl. Acids Res.</i> , 20:1777-1784 (1992).
	✓	Bock et al., eds., "Polyfunctional Cytokines: IL-6 and LIF", <i>Ciba Foundation Symposium 167</i> , Title page and Table of Contents (1992).
	✓	Bock et al., eds., "Interactions Among Cell Signalling Systems", <i>Ciba Foundation Symposium 164</i> , Title page and Table of Contents (1992).
	✓	Bogdan, "The Multiplex Function of Nitric Oxide in (Auto)immunity", <i>J. Exp. Med.</i> , 187(9):1361-1365 (1998).
	✓	Bonney et al., "Much IDO about pregnancy", <i>Nature Medicine</i> , 4(10):1128-1129 (1998).
	✓	Brás et al., "Nitric Oxide Regulates Clonal Expansion and Activation-Induced Cell Death Triggered by Staphylococcal Enterotoxin B", <i>Infection and Immunity</i> , 65(10):4030-4037 (1997).
	✓	Burke et al., "The role of indoleamine 2,3-dioxygenase in the anti-tumor activity of human interferon-gamma in vivo", <i>Int. J. Cancer</i> , 60(1):115-122 (1995).
	✓	Cady et al., "1-Methyl-DL-tryptophan, β -(3-Benzofuranyl)-DL-alanine (the Oxygen Analog of Tryptophan), and β -[3-Benzo(b)thienyl]-DL-alanine (the Sulfur Analog of Tryptophan) Are Competitive Inhibitors for Indoleamine 2,3-Dioxygenase", <i>Arch. Biochem. Biophys.</i> , 291(2):326-333 (1991).
	✓	Capecchi, Ed., "Molecular Genetics of Early Drosophila and Mouse Development", <i>Current Communications in Molecular Biology</i> , Cold Spring Harbor Laboratory Press, Title page and Table of Contents (1989).
↓	✓	Casciari et al., "Glucose Diffusivity in Multicellular Tumor Spheroids", <i>Cancer Research</i> , 48:3905-3909 (1988).
/JDA/	✓	Cecchini et al., "Role of colony stimulating factor-1 in the establishment and regulation of tissue macrophages during postnatal development of the mouse", <i>Development</i> , 120:1357-1372 (1994).

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/JDA/	✓	Chapman et al., "Pharmacologically Active Benzol[b]thiophen Derivatives. Part VIII. Benzo[b]thiophen analogues of Tryptophan and α -Methyltryptophan, and Some of their 5-Substituted Derivatives", <i>J. Chem. Soc. (C)</i> , 14:1855-1858 (1969).
	✓	Chen et al., "Eradication of Murine Bladder Carcinoma by Intratumor Injection of Bicistronic Adenoviral Vector Carrying cDNAs for the IL-12 Heterodimer and Its Inhibition by the IL-12 p40 Subunit Homodimer, <i>The Journal of Immunology</i> , 159:351-359 (1997).
	✓	Cheng et al., "Relationship Between the Inhibition Constant (K_i) and the Concentration of Inhibitor Which Causes 50 Per Cent Inhibition (I_{50}) of an Enzymatic Reaction", <i>Biochemical Pharmacology</i> , 22:3099-3108 (1973).
	✓	Cicala et al., "NO-naproxen modulates inflammation, nociception and downregulates T cell response in rat Freund's adjuvant arthritis", <i>British Journal of Pharmacology</i> , 130(6):1399-1405 (2000).
	✓	Cooney et al., "Site-Specific Oligonucleotides Binding Represses Transcription of the Human c-myc Gene in Vitro", <i>Science</i> , 241:456-459 (1988).
	✓	Crooke, "Progress Toward Oligonucleotide Therapeutics: Pharmacodynamic Properties", <i>FASEB J.</i> , 7:533-539 (1993).
	✓	Dalton et al., "Multiple Defects of Immune Cell Function in Mice with Disrupted Interferon- γ Genes", <i>Science</i> , 259:1739-1742 (1993).
	✓	Degauque et al., "Dominant Tolerance to Kidney Allografts Induced by Anti-Donor MHC Class II Antibodies: Cooperation between T and Non-T CD 103+ Cells," <i>Journ. Of Immunology</i> . Pgs. 3915-3922. (2006).
	✓	Dong et al., "Activation of CFTR chloride current by nitric", <i>EMBO J.</i> , 14(12): 2700-2707 (1995). Abstract only (1 pg.).
↓	✓	Duval-Valentin et al., "Specific Inhibition of Transcription by Triple Helix-Forming Oligonucleotides", <i>Proc. Natl. Acad. Sci. USA</i> , 89:504-508 (1992).
/JDA/	✓	Efron et al., "Nitric oxide generation from L-arginine is required for optimal human peripheral blood lymphocyte DNA synthesis", <i>Surgery</i> , 110:327-334 (1991).

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/JDA/	✓	Ellington et al., "In vitro selection of RNA molecules that bind specific ligands," <i>Nature</i> , Aug 30;346(6287):818-22. (1990).
	✓	Ellington et al., "Selection <i>in vitro</i> of single-stranded DNA molecules that fold into specific ligand-binding structures", <i>Nature</i> , 355(6363):850-852 (1992).
	✓	Fleckner et al., "Human interferon γ potently induces the synthesis of a 55-kDa protein ($\gamma 2$) highly homologous to rabbit peptide chain release factor and bovine tryptophanyl-tRNA synthetase", <i>Proc. Natl. Acad. Sci. USA</i> , 88(24):11520-11524 (1991).
	✓	Fleckner et al., "Differential Regulation of the Human, Interferon Inducible Tryptophanyl-tRNA Synthetase by Various Cytokines in Cell Lines", <i>Cytokine</i> , 7(1):70-77 (1995).
	✓	Giannoukakis et al. "Targeting Autoimmune Diabetes with Gene Therapy." <i>Diabetes</i> , Vol. 48, pp. 2107-2121 (1999).
	✓	Giannoukakis et al. "Prevention of beta cell dysfunction and apoptosis activation in human islets by adenoviral gene transfer of the insulin-like growth factor I." <i>Gene Ther.</i> Dec;7(23):2015-22 (2202).
	✓	Giannoukakis et al. "Infection of intact human islets by a lentiviral vector." <i>Gene Ther.</i> Sep;6(9):1545-51 (1999).
	✓	Giannoukakis et al. "Adenoviral Gene Transfer of the Interleukin-1 Receptor Antagonist Protein to Human Islets Prevents IL-1 β -Induced β -Cell Impairment and Activation of Islet Cell Apoptosis in Vitro." <i>Diabetes</i> , Vol. 48, Sept 1999, pp. 1730-1736
↓	✓	Gmünder et al., "Macrophages Regulate Intracellular Glutathione Levels of Lymphocytes. Evidence for an Immunoregulatory Role of Cysteine", <i>Cell. Immunol.</i> , 129:32-46 (1990).
/JDA/	✓	Grigoriev et al., "A Triple Helix-forming Oligonucleotide-Intercalator Conjugate Acts as Transcriptional Repressor via Inhibition of NF KB Binding to Interleukin-2 Receptor α -Regulatory Sequence", <i>J. Biol. Chem.</i> , 267:3389-3395 (1992).

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/JDA/	✓	Haspot et al., "Anti-CD28 Antibody-Induced Kidney Allograft Tolerance Related to Tryptophan Degradation and TCR- Class II- B7+ Regulatory Cells," <i>Amer. Journ. Of Transplantation</i> , 5:2339-2348. (2005).
	✓	Hayaishi, "Utilization of Superoxide Anion by Indoleamine Oxygenase-Catalyzed Tryptophan and Indoleamine Oxidation", <i>Adv. Exp. Med. Biol.</i> , 398:285-289. (1996).
	✓	Heesen et al., " β_2 -Adrenoceptor Density of Human Lymphocytes After Nitroprusside-Induced Hypotension", <i>Anesth Analg</i> , 81:1250-1254 (1995).
	✓	Hogan et al., "Manipulating the Mouse Embryo - A Laboratory Manual", <i>Cold Spring Harbor Laboratory</i> , 1 pg. publication (1986).
	✓	Holt et al., "An Oligomer Complementary to c-myc mRNA Inhibits Proliferation of HL-60 Promyelocytic Cells and Induces Differentiation", <i>Mol. Cell. Biol.</i> , 8:963-973 (1988).
	✓	Hou et al., "Inhibition of Indoleamine 2,3-Dioxygenase in Dendritic Cells by Stereoisomers of 1-Methyl-Tryptophan Correlates with Antitumor Responses," <i>Cancer Res.</i> , 67:(2):792-801 (2007).
	✓	Ibrahim et al., "The injured cell: the role of the dendritic cell system as a sentinel receptor pathway", <i>Immunology Today</i> , 16(4):181-186 (1995).
	✓	Itakura et al., "Synthesis and use of Synthetic Oligonucleotides", <i>Ann. Rev. Biochem.</i> , 53:323-356 (1984).
	✓	Iwata et al., "Thiol-Mediated Redox Regulation of Lymphocyte Proliferation. Possible Involvement of Adult T Cell Leukemia-Derived Factor and Glutathione in Transferrin Receptor Expression", <i>J. Immunol.</i> , 152:5633-5642 (1994).
	✓	Janeway, Jr., "The immune system evolved to discriminate infectious nonself from noninfectious self", <i>Immunology Today</i> , 13(1):11-16 (1992).
↓	✓	Janeway, Jr. et al., <i>ImmunoBiology, The Immune System in Health and Disease</i> , Current Biology Limited, London, U.K., 12:30-12:34 (1994).
/JDA/	✓	Jorgensen et al., "Gene therapy in osteoarticular diseases: where are we?", <i>Immunology Today</i> , 19(9):387-391 (1998).

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/JDA/	✓	Kadoya et al., "Gene structure of human indoleamine 2,3-dioxygenase," <i>Bio. and Biophysical Research Comm.</i> Vol.189, No. 1 pp.530-536 (1992).
	✓	Kakuda et al., "Na(+)-independent transport (uniport) of amino acids and glucose in mammalian cells", <i>J. Exp. Biol.</i> , 196:93-108 (1994).
	✓	Kamath et al., "Amino Acid-Restricted Diets in the Treatment of Mammary Adenocarcinoma in Mice", <i>J. Nutr.</i> , 118(9):1137-1142 (1988).
	✓	Kamijo et al., "Mice That Lack the Interferon- γ Receptor Have Profoundly Altered Responses to Infection with Bacillus Calmette-Guérin and Subsequent Challenge with Lipopolysaccharide", <i>J. Exp. Med.</i> , 178:1435-1440 (1993).
	✓	Kaptureczak et al. "Transduction of human and mouse pancreatic islet cells using a bicistronic recombinant adeno-associated viral vector." <i>Mol Ther.</i> Feb;5(2):154-60 (2002).
	✓	Kenyon et al. "Islet transplantation; present and future perspectives." <i>Diabetes Metab Rev.</i> Dec;14(4)303-313 (1998).
	✓	Kisselev, "Mammalian tryptophanyl-tRNA synthetases", <i>Biochimie</i> , 75:1027-1039 (1993).
	✓	Kolb et al., "Nitric oxide in autoimmune disease: cytotoxic or regulatory mediator?", <i>Immunology Today</i> , 19(12): 556-561 (1998).
	✓	Li et al., "Expression of indoleamine 2,3-dioxygenase in dermal fibroblasts functions as a local immunosuppressive factor," <i>J. Invest. Dermatol.</i> 122(4):953-964 (2004).
	✓	Logan et al., "Potential Use of Genetically Modified Pigs as Organ Donors for Transplantation into Humans," <i>Clinical and Exper. Pharm. and Physiology</i> , 26:1020-1025 (1999).
✓	✓	MacMicking et al., "Nitric Oxide and Macrophage Function", <i>Annu. Rev. Immunol.</i> , 15:323-350 (1997).
/JDA/	✓	Maher et al., "Inhibition of DNA binding proteins by oligonucleotide-directed triple helix formation", <i>Science</i> , 245:725-730 (1989).

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/JDA/	✓	Mayeno et al., "Characterization of "Peak," a Novel Amino Acid Associated with Eosinophilia-Myalgia Syndrome", <i>Science</i> , 250:1707-1708 (1990).
	✓	McGivan et al., "Regulatory and molecular aspects of mammalian amino acid transport", <i>Biochem J.</i> , 299(Part 2):321-334 (1994).
	✓	McKinlay et al., "Rational Design of Antiviral Agents", <i>Annu. Rev. Pharmacol. Toxicol.</i> , 29:111-122 (1989).
	✓	Mellor et al., "HLA-G transgenic mice", <i>Journal of Reproductive Immunology</i> , 43:253-261 (1999).
	✓	Mellor et al., Immunology at the Maternal-Fetal Interface: Lessons for T Cell Tolerance and Suppression", <i>Annu. Rev. Immunol.</i> , 18:367-391 (2000).
	✓	Mellor et al., "Cutting edge: CpG Oligonucleotides Induce Spenic CD19+ Dendritic Cells to Acquire Potent Indoleamine 2,3-Dioxygenase-Dependent T Cell Regulatory Functions via IFN Type 1 Signaling," <i>Journ. Of Immun.</i> Pages 5601-5605 (2005).
	✓	Merrifield, "Solid Phase Peptide Synthesis. I. The Synthesis of a Tetrapeptide", <i>J. Am. Chem. Soc.</i> , 85:2149-2154 (1963).
	✓	Meyer et al., "Trptophan metabolism in chronic inflammatory lung disease", <i>J. Lab. Clin. Med.</i> , 126(6):530-540 (1995).
	✓	Mills, "Molecular Basis of "Suppressor" Macrophages - Arginine Metabolism via the Nitric Oxide Synthetase Pathway", <i>J. Immunol.</i> , 146(8):2719-2723 (1991).
	✓	Moore et al., "Enhanced Response of Macrophages to CSF-1 in Autoimmune Mice", <i>J. Immunol.</i> , 157:433-440 (1996).
	✓	Morgan et al., "Scleroderma and autoimmune thrombocytopenia associated with ingestion of L-tryptophan", <i>British Journal fo Dermatology</i> , 128:581-583 (1993).
↓	✓	Muller et al., "Inhibition of indoleamine 2,3-dioxygenase, an immunoregulatory target of the cancer suppression gene Bin1, potentiates cancer chemotherapy," <i>Nature Medicine</i> , 11:3:312-319. (2005).
/JDA/	✓	Muller et al., "Marrying Immunotherapy with Chemotherapy: Why Say IDO?," <i>Cancer Res.</i> , 65:(18):8065-8068. (2005).

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/JDA/	✓	Mulligan, "The Basic Science of Gene Therapy", <i>Science</i> , 260:926-932 (1993).
	✓	Munn et al., "Antibody-Dependent Antitumor Cytotoxicity by Human Monocytes Cultured with Recombinant Macrophage Colony-Stimulating Factor", <i>J. Exp. Med.</i> , 170:511-526 (1989).
	✓	Munn, David H., "Inhibition of T Cells by Tryptophan Degradation," Grant Abstract, Grant Number 1R21AI44759-01 [online]. National Institutes of General Medical Sciences, National Institutes of Health, project dates 09/30/98-009/29/00 [retrieved on 2001-02-15]. Retrieved from the Internet: URL: ">http://commons.cit.nih.gov/crisp_historical/crisp_lib.getdoc?textkey=2802812&p_grant_num=1R21AI44759-01&p_query=&ticket=63957&p_audit_session_id=363938&p_keywords=> , 2 pages.
	✓	Munn, "Indoleamine 2,3-dioxygenase, tumor-induced tolerance and counter-regulation," <i>Curr. Opin. Immunol.</i> Apr;18(2):220-225. Epub 2006 Feb 7. (2006).
	✓	Narang et al., "[61] Chemical Synthesis of Deoxyoligonucleotides by the Modified Triester Method", <i>Methods in Enzymology</i> , 65:610-620 (1980).
	✓	Offensperger et al., "In Vivo inhibition of duck hepatitis B virus replication and gene expression b phosphorothioate modified antisense oligodeoxynucleotides", <i>EMBO J.</i> , 12(3):1257-1262 (1993).
	✓	Orson et al., "Oligonucleotide inhibition of IL2R α mRNA transcription by promoter region collinear rplex formation in lymphocytes", <i>Nucl. Acids Res.</i> , 19:3435-3441 (1991).
↓	✓	Ottaviani et al., "The invertebrate phagocytic immunocyte: clues to a common evolution of immune and neuroendocrine systems", <i>Immunol. Today</i> , 18(4):169-174 (1997).
/JDA/	✓	Ozaki et al., "Induction of indoleamine 2,3-dioxygenase: A mechanism of the antitumor activity of interferon γ ", <i>Proc. Natl. Acad. Sci. USA</i> , 85:1242-1246 (1988).

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/JDA/	✓	Perry et al., "The Use of 3D Modelling Databases for Identifying Structure Activity Relationships", <u>QSAR: Quantitative Structure-Activity Relationships in Drug Design, Proceedings of the 7th European Symposium on QSAR held in Interlaken, Switzerland, September 5-9, 1988</u> , Alan R. Liss, Inc. - New York, pp. 189-193 (1989).
	✓	Peterson et al., "Evaluation of Functionalized Tryptophan Derivatives and Related Compounds as Competitive Inhibitors of Indoleamine 2,3-Dioxygenase", <i>Med. Chem. Res.</i> , 3:531-544 (1994).
	✓	Postel et al., "Evidence that a triplex-forming oligodeoxyribonucleotide binds to the c-myc promoter in heLa cells, thereby reducing c-myc mRNA levels, <i>Proc. Natl. Acad. Sci. USA</i> , 88:8227-8231 (1991).
	✓	Potter et al., "Enhancer-dependent expression of human κ immunoglobulin genes introduced into mouse pre-B lymphocytes by electroporation", <i>Proc. Natl. Acad. Sci. USA</i> , 81:7161-7165 (1984).
	✓	Potula et al., Inhibition of indoleamine 2,3-dioxygenase (IDO) enhances elimination of virus-infected macrophages in an animal model of HIV-1 encephalitis," <i>Immunobiology, Blood</i> , 1 October 2005, 106(7):233822390.
	✓	Prasad et al., "Relationship between Thyroid Hormone Transport and Neutral Amino Acid Transport in JAR Human Choriocarcinoma Cells", <i>Endocrinology</i> , 134(2):574-581 (1994).
	✓	Raynovich, "Late-Stage Cancer Vaccines Set to Launch, with Five Major Players, Therapeutic Vaccines Could Transform Medical Care," <i>GEN Biobusiness Wall Street Biobeat</i> . March 1, 2007. genengnews.com. <i>Gen. Eng. & Biotech. News</i> .
	✓	Renault et al., "Base Transitions Are the Most Frequent Genetic Changes at P53 in Gastric Cancer", <i>Cancer Research</i> , 53:2614-2617 (1993).
↓	✓	"Rheumatoid Arthritis," <i>Genetic Eng. & Biotech. News</i> , March 1, 2007. Genengnews.com, (72) Translational Medicine.
/JDA/	✓	Ripka, "Computers picture the perfect drug", <i>New Scientist</i> , 54-57 (1988).

EXAMINER /James Anderson/	Date Considered 12/06/2007
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/JDA/	✓	Rosoff et al., "4,4'-Diisothiocyantostilbene-2,2'-disulfonic Acid Inhibits CD3-T Cell Antigen Receptor-stimulated Ca ²⁺ Influx in Human T Lymphocytes", <i>J. Biol. Chem.</i> , 263(36):19535-19540 (1988).
	✓	Rouvinen et al., "Computer-Aided Drug Design", <i>Acta Pharmaceutica Fennica</i> , 97:159-166 (1988).
	✓	Rubin et al., "Interferon Induces Tryptophanyl-tRNA Synthetase Expression in Human Fibroblasts", <i>The Journal of Biological Chemistry</i> , 266(36):24245-24248 (1991).
	✓	Saadi et al., "Immunology of Xenotransplantation" <i>Life Sciences</i> , 62(5):365-387 (1998).
	✓	Sambrook et al., <i>Molecular Cloning: A Laboratory Manual</i> , Second Edition, Books 1-3, Cold Spring Harbor Laboratory Press, Cold Spring Harbor, New York, Title page and Table of Contents only, 29 pages (1989).
	✓	Sanchez del Pino et al., "Neutral Amino Acid Transport Characterization of Isolated Luminal and Abluminal Membranes of the Blood-Brain Barrier", <i>The Journal of Biological Chemistry</i> , 270(25):14913-14918 (1995).
	✓	Sarin et al., "Inhibition of acquired immunodeficiency syndrome virus by oligodeoxynucleoside methylphosphonates", <i>Proc. Natl. Acad. Sci. USA</i> , 85:7448-7451 (1988).
	✓	Schaller et al., "Identification of the Disulfide Bonds of the Human Complement Component C9 and Comparison with the Other Terminal Components of the Membrane Attack Complex", <i>MPSA Short Communications</i> , pp. 472-473 (1996).
↓	✓	Schröder et al., "Suppression of the Modulatory Effects of the Antileukemic and Anti-Human Immunodeficiency Virus Compound Avarol on Gene Expression by Tryptophan", <i>Cancer Research</i> , 49(8):2069-2076 (1989).
/JDA/	✓	Serreze et al., "Defects in the Differentiation and Function of Antigen Presenting Cells in NOD/Lt Mice, <i>J. Immunol.</i> , 150(6):2534-2543 (1993).

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/JDA/	✓	Seymour et al., "Identification and Characterization of a Novel, High-Affinity Tryptophan-Selective Transport System in Human Macrophages", <i>Blood</i> , 90(10):448a, Abstract only (1997).
	✓	Sharma et al., "Plasmacytoid dendritic cells from mouse tumor-draining lymph nodes directly activate mature Tregs via indoleamine 2,3-dioxygenase," First Published online on August 16, 2007. <i>Journ. Of Clinical Investigation, Research Article</i> . Pgs. 1-13.
	✓	Shaw et al., "Modified deoxyoligonucleotides stable to exonuclease degradation in serum", <i>Nucleic Acids Res.</i> , 19(4):747-750 (1991).
	✓	Sidransky et al., "Effect of Tryptophan on Hepatoma and Host Liver of Rats. Influence After Treatment with Hypertonic Sodium Chloride and Carbon Tetrachloride", <i>Exp. Mol. Pathol.</i> , 35(1):124-136 (1981).
	✓	Sigalla et al. "Adenovirus-mediated gene transfer into isolated mouse adult pancreatic islets: normal beta-cell function despite induction of an anti-adenovirus immune response." <i>Hum Gene Ther</i> 1997 Sept1;8(13) 1625-1634.
	✓	Sono et al., "Indoleamine 2,3-Dioxygenase. Equilibrium Studies of the Tryptophan Binding to the Ferric, Ferrous, and Co-Bound Enzymes", <i>J. Biol. Chem.</i> , 255(4):1339-1345 (1980).
	✓	Sponass et al., "Induction of tolerance to self MHC class I molecules expressed under the control of milk protein or β -globin gene promoters," <i>Intl. Immun.</i> , Vol. 6, No. 2, pp 277-287 (1994).
	✓	Steckel et al., "Indoleamine 2,3-Dioxygenase expression in patients with acute graft-versus-host disease after allogeneic stem cell transplantation and in pregnant women: association with the induction of allogeneic immune tolerance?," <i>Scandinavian Journ. Of Immun.</i> , 57, pp 185-191 (2003).
↓	✓	Sternberg et al., "Development of a Scleroderma-Like Illness During Therapy with L5-Hydroxytryptophan and Carbidopa", <i>N. Engl. J. Med.</i> , 303(14):782-787 (1980).
/JDA/	✓	Suzuki, "Abalone Myoglobins Evolved from Indoleamine Dioxygenase: The cDNA-Derived Amino Acid Sequence of Myoglobin from <i>Nordotis madaka</i> ", <i>Journal of Protein Chemistry</i> , 14(1):9-13 (1994).

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/JDA/	✓	Suzuki et al., "Convergent evolution. The gene structure of Sulculus 41 kDa myoglobin is homologous with that of human indoleamine dioxygenase," <i>Biochem. Biophys. Acta</i> , 1308:41-48 (1996).
	✓	Swanson et al., "CD11c+ Cells Modulate Pulmonary Immune Responses by Production of Indoleamine 2,3-Dioxygenase," <i>Am. Journ. Of Respiratory Cell and Molecular Biology</i> , Vol. 30, pp 311-318 (2004).
	✓	Szostak, "In vitro genetics", <i>TIBS</i> , 17(3):89-93 (1992).
	✓	Takikawa et al., "Induction of Indoleamine 2,3-Dioxygenase in Tumor Cells Implanted Into Allogeneic Mouse: Interferon-γ is the Inducer", <i>Kynurenine and Serotonin Pathways</i> , pp. 437-444, Plenum Press: New York (1991).
	✓	Terness et al., "Inhibition of allogeneic T cell proliferation by Indoleamine 2,3-Dioxygenase-expressing dendritic cells: mediation of suppression by tryptophan metabolites," <i>J. Exp. Med.</i> Vol.196, No. 4, pp 447-457 (2002).
	✓	Thomson et al., "Are dendritic cells the key to liver transplant tolerance?", <i>Immunology Today</i> , 6 pgs. (1999).
	✓	Torre et al., "Immunological Aspects of Nitric Oxide in HIV-1 Infection", <i>Medical Hypotheses</i> , 47:405-407 (1996).
	✓	Weber, et al. "Adenoviral transfection of isolated pancreatic islets: a study of programmed cell death (apoptosis) and islet function." <i>J Surg Res.</i> Apr;69(1):23-32 (1997).
	✓	Weiss et al., "Linkage of cell-mediated immunity to iron metabolism", <i>Immunology Today</i> , 16(10):495-500 (1995).
✓	✓	Werner et al., Human Macrophages Degrade Tryptophan Upon Induction by Interferon-Gamma", <i>Life Sciences</i> , 41(3):273-280 (1987).
/JDA/	✓	Wickstrom et al., "Human promyelocytic leukemia HL-60 cell proliferation and c-myc protein expression are inhibited by an antisense pentadecadeoxynucleotide targeted against c-myc mRNA", <i>Proc. Natl. Acad. Sci. USA</i> , 85:1028-1032 (1988).

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/JDA/	✓	Willenborg et al., "IFN- γ Plays a Critical Down-Regulatory Role in the Induction and Effector Phase of Myelin Oligodendrocyte Glycoprotein-Induced Autoimmune Encephalomyelitis", <i>J. Immunol.</i> , 157:3223-3227 (1996).
	✓	Young et al., "Triple helix formation inhibits transcription elongation in vitro", <i>Proc. Natl. Acad. Sci. USA</i> , 88:10023-10026 (1991).
	✓	Zamecnik et al., "Inhibition of Rous sarcoma virus replication and cell transformation by a specific oligodeoxynucleotide", <i>Proc. Natl. Acad. Sci. USA</i> , 75:280-284 (1978).
	✓	Zamecnik et al., "Inhibition of replication and expression of human T-cell lymphotropic virus type III in cultured cells by exogenous sythetic oligonucleotides complementary to viral RNA", <i>Proc. Natl. Acad. Sci. USA</i> , 83:4143-4146 (1986).
	✓	Zhou et al., "Expanded cohorts of maternal CD8 ⁺ T-cells specific for paternal MHC class I accumulate during pregnancy", <i>J. Reprod. Immunol.</i> , 40:47-62 (1998).
	✓	Zhou et al., "Evidence for a Close Link between the Thyroid Hormone Transport System and the Aromatic Amino Acid Transport System T in Erythrocytes", <i>J. Biol. Chem.</i> , 265(28):17000-17004 (1990).
↓	✓	Zhu et al., "Systemic Gene Expression After Intravenous DNA Delivery into Adult Mice", <i>Science</i> , 261:209-211 (1993).
/JDA/	✓	Zimmer et al., "Production of chimaeric mice containing embryonic stem (ES) cells carrying a homoeobox Hox 1.1 allele mutated by homologous recombination", <i>Nature</i> , 338:150-153 (1989).

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